2002 Crop Nutrient Management Plan

Joe Farmer Any Street Any City, MN 55555 (651) 000-0000



A crop nutrient management plan is comprised of several components that will provide guidance for making decisions on location, rate, timing, form and method of nutrient application. Crop recommendations within this report are based upon published information from the University of Minnesota Extension Service and comply with the USDA-NRCS-Minnesota 590 (Nutrient Management) Standard. Periodic review and update of this plan may be necessary if factors affecting management decisions have changed since the plan was prepared.

Prepared by: Jeff St. Ores TSP I.D. Number

USDA-NRCS

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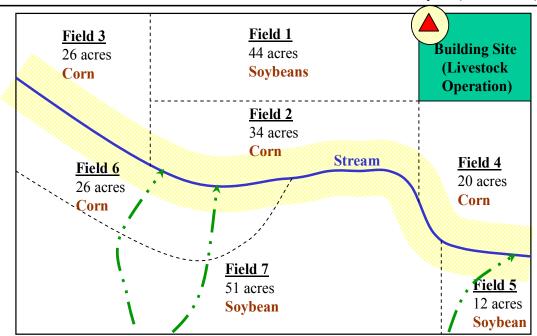
January 29, 2002

Joe Farmer Home Farm

(213 tillable acres) Tract T558

Crop Year 2002

Hwy 50 (240th Street)



Scale: 1 inch = 620 feet

Any County Any Township Section 14, NW 1/4

Manure Applications

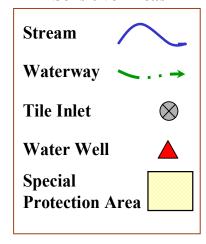
Fields: 2, 3,4,6

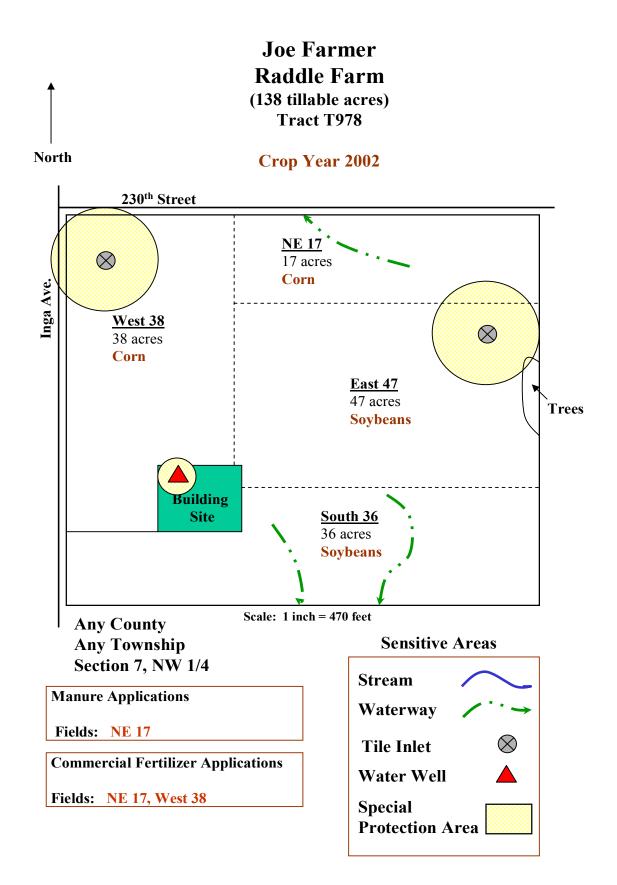
North

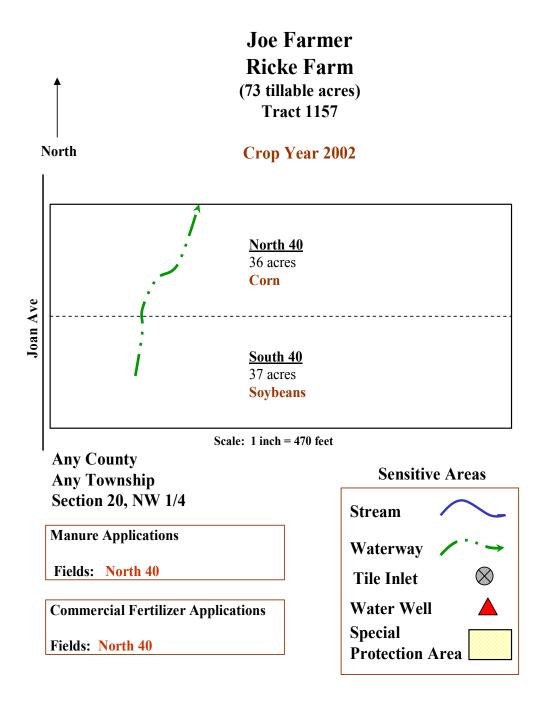
Commercial Fertilizer Applications

Fields: 2, 3,4,6

Sensitive Areas







Planning Year 2002 Date Printed Jan 29, 2002

Field Specific Summary of Nutrient Applications

				r leid Specific Suffifial	y or reduient Application) ii		1	nning Ye Nutrient (Ibs/acre	ts
Field	Crop	Nutrient Source	Source	Application Rate	Application Timing	Method		N	P2O5	K20
Home T558										
2	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
2	corn	Manure	Building 1 - Fall	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		126	107	98
							Totals For Field	130	119	102
3	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
3	corn	Manure	Building 1 - Fall	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	_	126	107	98
							Totals For Field	130	119	102
4	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
4	corn	Manure	Building 2	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		141	119	99
							Totals For Field	145	131	103
6	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
6	corn	Manure	Building 1 - Fall	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		126	107	98
							Totals For Field	130	119	102

Page 1 of 2

Field Specific Summary of Nutrient Applications

			·	Tela Opecinic Ganiniai	y of Hutrient Application	J113		1	ning Ye Nutrient (Ibs/acre	ts
Field	Crop	Nutrient Source	Source	Application Rate	Application Timing	Method		N	P2O5	K20
Raddle T978										
NE 17	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
NE 17	corn	Manure	Building 1 - Spring	5300 gallons per acre	Spring (Apr-Jun)	Bdcst-Inc 12	-96 hrs	138	152	143
							Totals For Field	142	164	147
West 38	corn	Fertilizer	Urea	250 pounds per acre	Spring preplant	Broadcast-In	С	115	0	0
West 38	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
							Totals For Field	119	12	4
Ricke T1157										
North 40	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
North 40	corn	Manure	Building 2	5300 gallons per acre	Fall (Oct - Dec)	Knife Inject		197	165	138
							Totals For Field	201	177	142

APPENDICES (Design documents)	Page
Crop Information Manure Test Results Soil Test Reports General Information Soils Information	
Nutrient Application Summaries Planned Manure Applications Planned Fertilizer Applications Planning Year Manure Application and Nutrient Credits Planning Year Nutrient Balance	
Field Specific Nutrient Budget	⊠ 6

Planning Year 2002

Date Printed

Crop Information

		Pla	anning Year	Last Ye	ar			Other Pre	vious Years		
			2002	2001		20	100	199	9	199	8
Field	Acres	Crop	Yield Goal	Сгор	Yield	Crop	Yield	Crop	Yield	Crop	Yield
Home T558											
1	44	soybeans	50	corn	169	soybeans	54				
2	34	corn	165	soybeans	45	corn	171				
3	26	corn	160	soybeans	49	corn	162				
4	20	corn	160	soybeans	49	corn	178				
5	12	soybeans	50	corn	168	soybeans	46				
6	26	corn	165	soybeans	47	corn	172				
7	51	soybeans	50	corn	155	soybeans	47				
Raddle T978											
East 47	47	soybeans	50	corn	180	soybeans	53				
NE 17	17	corn	160	soybeans	48	corn	159				
South 36	36	soybeans	50	corn	174	soybeans	53				
West 38	38	corn	160	soybeans	51	corn	167				
Ricke T1157											
North 40	36	corn	160	corn	0						
South 40	37	soybeans	45	corn	0						

Planned Manure Applications

Manure Source: Building 1 - Fall Hauler ID: Hauler Name:

Farm	Field	Sensitive Areas	Applied Acres	Crop	Rate	Timing	Method	Total Applied	
Home T558	2	✓	34	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	129200) gallons
Home T558	3	✓	26	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	98800	gallons
Home T558	6	✓	26	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	98800	gallons
	Total acres for B	uilding 1 - Fall	86					Total Applied 32680	00 gallons

Manure Source: Building 1 - Spring Hauler ID: Hauler Name:

Farm	Field	Sensitive Areas	Applied Acres	Crop	Rate	Timing	Method		Total Applied
Raddle T978	NE 17	✓	17	corn	5300 gallons per acre	Spring (Apr-Jun)	Bdcst-Inc 12-96 h	rs	90100 gallons
To	otal acres for Buildi	ng 1 - Spring	17					Total Applied	90100 gallons

Manure Source: Building 2 Hauler ID: Hauler Name:

Farm	Field	Sensitive Areas	Applied Acres	Crop	Rate	Timing	Method		Total Applied
Home T558	4	✓	20	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		76000 gallons
Ricke T1157	North 40	✓	36	corn	5300 gallons per acre	Fall (Oct - Dec)	Knife Inject		190800 gallons
_	Total acres	for Building 2	56					Total Applied	266800 gallons

Page 1 of 1

Planned Fertilizer Applications

Fertilizer Source: Liquid 7-21-7

Farm	Field	Acres	Crop	Application Rate	Timing	Method
Home T558	2	34	corn	5 gallons per acre	Planting	Row
Home T558	3	26	corn	5 gallons per acre	Planting	Row
Home T558	4	20	corn	5 gallons per acre	Planting	Row
Home T558	6	26	corn	5 gallons per acre	Planting	Row
Raddle T978	NE 17	17	corn	5 gallons per acre	Planting	Row
Raddle T978	West 38	38	corn	5 gallons per acre	Planting	Row
Ricke T1157	North 40	36	corn	5 gallons per acre	Planting	Row

Fertilizer Source: Urea

Farm	Field	Acres	Crop	Application Rate	Timing	Method
Raddle T978	West 38	38	corn	250 pounds per acre	Spring preplant	Broadcast-Inc

Planning-Year Manure Application and Nutrient Credits

				Manu	e Applic	cation		Applied		ear Nuti Credits	rient	Next Year 2nd Year N Credit (lbs/acre)
Field	Acres	Crop	Manure Batch	Season	Year	Method	Rate Units	Applied Acres	N	P2O5	K20	(IDS/ACTE)
Home T558												
2	34	corn	Building 1 - Fall	Fall (Oct - Dec)	2001	Knife Inject	3800 gal/ac	34	126	107	98	27
							Totals For Fiel	d	126	107	98	27
3	26	corn	Building 1 - Fall	Fall (Oct - Dec)	2001	Knife Inject	3800 gal/ac	26	126	107	98	27
							Totals For Fiel	d	126	107	98	27
4	20	corn	Building 2	Fall (Oct - Dec)	2001	Knife Inject	3800 gal/ac	20	141	119	99	30
							Totals For Fiel	d	141	119	99	30
6	26	corn	Building 1 - Fall	Fall (Oct - Dec)	2001	Knife Inject	3800 gal/ac	26	126	107	98	27
							Totals For Fiel	d	126	107	98	27
Raddle T978												
NE 17	17	corn	Building 1 - Spring	Spring (Apr-Jur) 2002	Bdcst-Inc 12-96 hrs	5300 gal/ac	17	138	152	143	38
							Totals For Fiel	d	138	152	143	38
Ricke T1157												
North 40	36	corn	Building 2	Fall (Oct - Dec)	2001	Knife Inject	5300 gal/ac	36	197	165	138	42
				•		-	Totals For Fiel	d	197	165	138	42

Planning Year 2002 Planning-Year Nutrient Balance (Pounds of nutrient per acre)

Date Printed Jan 29, 2002

Field Ac	Acres	Crop	2nd-Year	Soil Test	Irrigation		Year No om Mai	utrients nure	Manure		ercial F Nutrien	ertilizer ts		al Avai Iutrien		Nutrients Above Reco		
			Legume N Credit	Nitrate N Credit	Water N Credit	N	P2O5	K2O	2nd-Year N Credit	N	P2O5	K20	N	P2O5	K20	N	P2O5	K20
Home T558																		
1	44	soybeans	0	0	0	0	0	0	41				41	0	0	41	0	0
2	34	corn	0	0	0	126	107	98	0	4	12	4	130	119	102	10	119	102
3	26	corn	0	0	0	126	107	98	0	4	12	4	130	119	102	10	102	88
4	20	corn	0	0	0	141	119	99	0	4	12	4	145	131	103	25	131	103
5	12	soybeans	0	0	0	0	0	0	0				0	0	0	0	0	0
6	26	corn	0	0	0	126	107	98	0	4	12	4	130	119	102	10	84	40
7	51	soybeans	0	0	0	0	0	0	29				29	0	0	29	0	0
Raddle T978																		
East 47	47	soybeans	0	0	0	0	0	0	0				0	0	0	0	0	0
NE 17	17	corn	0	0	0	138	152	143	0	4	12	4	142	164	147	22	130	99
South 36	36	soybeans	0	0	0	0	0	0	29				29	0	0	29	0	0
West 38	38	corn	0	0	0	0	0	0	0	119	12	4	119	12	2 4	0	6	0
Ricke T1157																		
North 40	36	corn	0	0	0	197	165	138	0	4	12	4	201	177	142	11	143	86
South 40	37	soybeans	0	0	0	0	0	0	0				0	0	0	0	0	0

Page 1 of 1

Farm: Ho	me T558	3	Field: 1		Acres:	44
Soil Infor	mation		Soil Map Unit	1895B Carmi		
N lbs/acre	P ppm	K ppm	Soil Texture	Loam		
	78 (E	31) 221	Organic Matter	3.6 %	pH: 6.6	

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop soybeans

Realistic Yield 50 bu/a

Recomme	endation	
P2O5	K2O	
0	0	Broadcast
0	0	Row or Drill
	P2O5	0 0

Source of Nitrogen Recommendations

✓ Standard

Western Soil Nitrate Test

Statewide Soil Nitrate Test

Previous Crop corn

0	0	0	Net Nutrients Needed (Broad	lcast)	
0			Irrigation Water Nitrogen Credi	t	
0			Nitrogen Credit Based on Early	/ Spring	Soil Nitrate Test
41			2nd-Year Manure Credit		
0			2nd-Year Legume Credit	Crop	soybeans
Nitrogen Credit	S				

Planning Year Manure Applications

0 0 Manure 1st-Year Credit

0 0 Supplemental Nutrient Needs



Planning Year 2002

Date Jan 29, 2002

P205

12

K20

4

Field Nutrient Budget

Farm: Ho	ome T55	8		Field:	2			Acres:	34	1
Soil Infor	mation				Soil Map Unit	252 Marshar	1			
N	Р	K								
lbs/acre	ppm	ppm			Soil Texture	Silty clay loa	m			
	23 (1	B1) 188			Organic Mat	ter 4.1 %		pH: 6.3	3	
UM Crop Nu	trient Red	commend	lations (accounti	ng for	soil information	on and last year's o	crop)			
Planned Crop) (corn					_			
Realistic Yiel	d	165 bi	u/a			Source of Ni	<u>trogen Re</u> ∕Standar		dations	
Nutrient F	Recomme	endation				•	Standar	a		
N	P2O5	K20					Wester	n Soil Nit	rate Test	
120	0	0	Broadcast				Statewi	de Soil N	litrate Test	
120	12	0	Row or Drill							
120	12		Now of Dilli			Previous Crop so	ybeans			
Nitrogen Cre	edits									
0			2nd-Year Legui	ne Cre	dit Crop	corn				
0			2nd-Year Manu							
0			Nitrogen Credit	Based	on Early Spring	Soil Nitrate Test				
0			Irrigation Water	Nitrog	en Credit					
120	0	0	Net Nutrients I	Neede	d (Broadcast)					
Planning Yea	ar Manur	e Applica	tions							
126	107	98	Manure 1st-Yea	r Credi	t					
		Bato	:h	Ti	ming	Method	Rate	N	P2O5	K20
		Buildi	ng 1 - Fall	Fall (Oct – Dec) Kr	nife Inject	3800	126	107	98
0	0	0	Supplemental I	Nutrien	t Needs					
Planning Yea	ar Fertiliz	er Applic	ations							
4	12	4	Commercial Fer	tilizer						

130 119 102 **Total Nutrients From Planned Applications**

Source

Liquid 7-21-7



Timing

Planting

Method

Row

Rate

5

Ν

4

		8		Field:				Acres:		26
Soil Infor					Soil Map Unit	39B Wade	ena			
N lbs/acre	P ppm	K ppm			Soil Texture	e Loam				
ibs/acie	17 (E	• • •			Organic Ma			pH: 6.	5	
	17 (1	51) 140			Organic ivia	S.7 /0		ρι ι.		
UM Crop Nu	trient Red	commend	ations (accoun	ting for	soil information	on and last year	's crop)			
Planned Crop) (corn				Course of	Nitrogon Do		dations	
Realistic Yield	d	160 bu	ı/a			Source of	Nitrogen Re	commer	<u>idations</u>	
No stario and F							✓ Standar	d		
Nutrient F	Recomme	endation					Wester	n Soil Ni	trate Test	
N	P2O5	K20					Ctatawi	d= 0=:1 N	lituata Taat	
120	17	14	Broadcast				Statewi	de Soli i	Nitrate Test	ί
120	12	12	Row or Drill							
						Previous Crop	soybeans			
Nitrogen Cre	edits									
0			2nd-Year Legu	ıme Cre	dit Crop	corn				
0			2nd-Year Man		•					
0			Nitrogen Credi	t Based	on Early Sprin	g Soil Nitrate Tes	st			
0			Irrigation Water	r Nitrog	en Credit					
120	17	14	Net Nutrients	Needed	l (Broadcast)					
Planning Yea	ar Manure	e Applica	tions							
126	107	98	Manure 1st-Yea	ar Credit	:					
		Batc	h	Tir	ming	Method	Rate	N	P2O5	K20
		Buildir	ıg 1 - Fall	Fall (Oct – Dec) K	nife Inject	3800	126	107	98
0	0	0	Supplemental	Nutrien	t Needs					
Planning Yea	ar Fertiliz	er Applic	ations							
4	12	4	Commercial Fe	rtilizer						
		Sourc	e	Т	iming	Method	Rate	N	P2O5	K20
		Liquid 7	7-21-7	Pla	anting	Row	5	4	12	4
		•			Ū					

Farm:	Home	T55	58		Field:	4				Acres	: 2	20
Soil Ir	nforma	tion				Soil Map Unit		1895B Carm	ni			
N		Р	K			Offic						
lbs/ad	re p	pm	ppm			Soil Text	ure	Loam				
		82	(B1) 206			Organic I	Matter	3.4 %		pH: 6	5.6	
UM Crop	Nutrie	nt Re	commend	lations (account	ing for	soil informa	ation ar	nd last year's	crop)			
Planned (Crop		corn					O	t			
Realistic `	Yield		160 bu	ı/a				Source of Ni	-		endations	
Nutrie	nt Rec	omm	endation					٠	✓ Standar	a		
l N	P	205	K20						Wester	n Soil N	litrate Test	
	-								Statewi	ide Soil	Nitrate Tes	t
	20	0	0	Broadcast								
1:	20	0	0	Row or Drill			Prev	vious Crop so	ybeans			
N 114	0											
Nitrogen		S		0.11	0	l'' 0						
	0			2nd-Year Legu			p cor	n				
	0			2nd-Year Manu								
	0			Nitrogen Credit			ring Soi	i Nitrate Test				
	0			Irrigation Wate								
12	.0	0	0	Net Nutrients	Neede	d (Broadcas	t)					
Planning	Year N	/lanu	re Applica	tions								
14	1	119	99	Manure 1st-Yea	r Credi	t						
			Bato	h	Ti	ming	Meth	nod	Rate	Ν	P2O5	K20
			Buildir	ng 2	Fall ((Oct – Dec)	Knife I	nject	3800	141	119	99
	0	0	0	Supplemental	Nutrier	nt Needs						
Planning	Year F	ertili	zer Applic	ations								
	4	12	4	Commercial Fer	tilizer							
			Sour	ce	Т	iming		Method	Rate	N	P2O5	K20
			Liquid			anting		Row	5	4	12	4
14	5	131	103	Total Nutrients	Erom	Plannod An	nlicatio	une .				

Planning Year 2002

Date Jan 29, 2002

Farm: Ho	me T55	8	F	ield:	5		Acres:	12
Soil Infor		K			Soil Map Unit	129 Cylinder		
N lbs/acre	P ppm	ppm			Soil Texture	Loam		
	17 (I	B1) 121			Organic Matter	3.8 %	pH: 6.4	
UM Crop Nut	rient Red	commend	lations (accountir	ng for	soil information ar	nd last year's c	rop)	
Planned Crop	9 8	soybeans				Source of Nitr	ogen Recommendations	
Realistic Yield	t	50 bu	ı/a			Source of Mill	ogen Recommendations	<u> </u>
				\neg		✓	Standard	
Nutrient F	Recomme	endation					Western Soil Nitrate Te	st
N	P2O5	K2O						
0	3	0	Broadcast				Statewide Soil Nitrate T	est
0	0	0	Row or Drill					
					Pre	vious Crop corr	1	
Nitrogen Cre	dits							
0			2nd-Year Legum	ne Cre	dit Crop soy	beans		
0			2nd-Year Manur	e Cred	dit			
0			Nitrogen Credit I	Based	on Early Spring Soi	I Nitrate Test		
0			Irrigation Water	Nitrog	en Credit			
0	3	0	Net Nutrients N	eeded	d (Broadcast)			
Planning Yea	ar Manur	e Applica	tions					
0	0	0	Manure 1st-Year	Credit	t			
0	3	0	Supplemental N	utrien	t Needs			

Farm: Ho	ome T55	8		Field:	6				Acre	es:	26
Soil Infor					Soil Map Unit	2	52 Marshan				
N lbs/acre	P ppm	K ppm			Soil Text	uro S	ilty clay loar	m			
ibs/acie							4.2 %		با ام	6.2	
	14 (1	31) 108			Organic	watter	4.2 %		pH:	0.3	
UM Crop Nu	trient Red	commend	ations (account	ting for	soil inform	ation and I	ast year's c	rop)			
Planned Crop) (corn					6 1 1 1	_			
Realistic Yield	d	165 bu	ı/a			<u>S</u>	ource of Nit	rogen Re	comn	<u>nendations</u>	
							/	Standar	d		
Nutrient F	Recomme	endation						Wester	n Soil	Nitrate Tes	t
N	P2O5	K20						VVCStCI	00	THICAGO TOO	
120	35	62	Broadcast					Statewi	de So	oil Nitrate Te	est
120	30	40	Row or Drill								
120		40	Now or Dilli			Previou	is Crop soy	beans			
Nitrogen Cre	eaits										
0			2nd-Year Legu			op corn					
0			2nd-Year Man								
0			Nitrogen Credi		• •	ring Soil Ni	trate Lest				
0			Irrigation Wate								
120	35	62	Net Nutrients	Needed	l (Broadcas	st)					
Planning Yea	ar Manur	e Applica	tions								
126	107	98	Manure 1st-Yea	ar Credit							
		Batc	h	Tir	ming	Method		Rate	N	P205	K20
		Buildir	g 1 - Fall	Fall (Oct – Dec)	Knife Injed	ct	3800	126	3 107	98
0	0	0	Supplemental	Nutrien	t Needs						
Planning Yea	ar Fertiliz	er Annlic	ations								
4	12	4	Commercial Fe	rtilizer							
		Sourc	e	Т	iming	Me	ethod	Rate	N	P2O5	K2C
		Liquid 7			anting	Ro	W	5	4	12	4
130	119	102	Total Nutrients	- Fram I							

Farm: H	ome T55	8	F	ield:	7		Acres:	51
Soil Info	rmation	K			Soil Map Unit	39B Wadena		
N lbs/acre	ppm	ppm			Soil Texture	Loam		
	19 (• • •			Organic Matter	3.2 %	pH: 6.8	
		commend	lations (accountin	g for	soil information ar	nd last year's cro	op)	
Planned Cro	p :	soybeans				Source of Nitro	gen Recommendati	one
Realistic Yiel	d	50 bi	ı/a			Source of Millo	gen Recommendati	<u> </u>
N 4 1 4				_		√ S	Standard	
Nutrient	Recomm	endation				,	Western Soil Nitrate	Test
N	P2O5	K20						
0	0	0	Broadcast			;	Statewide Soil Nitrat	e Test
0	0	0	Row or Drill					
					Pre	vious Crop corn		
Nitrogen Cr	edits							
0			2nd-Year Legum	e Cre	dit Crop soy	beans		
29			2nd-Year Manure	e Cre	dit			
0			Nitrogen Credit E	Based	on Early Spring Soi	l Nitrate Test		
0			Irrigation Water I	Nitrog	en Credit			
0	0	0	Net Nutrients N	eeded	d (Broadcast)			
Planning Ye	ar Manur	e Applica	tions					
0	0	0	Manure 1st-Year	Credi	t			
0	0	0	Supplemental No	utrien	it Needs			

Farm: Ra	addle T9	78	F	ield:	East 47		Acres:	47
Soil Infor		K			Soil Map Unit	1896B Ostr	rander-Carmi	
N lbs/acre	P ppm	ppm			Soil Texture	Loam		
	17 (B1) 122			Organic Matter	3.4 %	pH: 6.2	
JM Crop Nu	trient Red	commend	lations (accountin	g for	soil information ar	nd last year's	crop)	
Planned Crop) 5	soybeans				Source of M	litrogen Recommendation	
Realistic Yield	d	50 bu	ı/a			Source of in	illiogen Recommendation	<u> </u>
				\neg			✓ Standard	
Nutrient F	Recomme	endation					Western Soil Nitrate To	est
N	P2O5	K2O						
0	3	0	Broadcast				Statewide Soil Nitrate	Test
0	0	0	Row or Drill					
					Pre	vious Crop co	orn	
Nitrogen Cre	edits							
0			2nd-Year Legum	e Cre	dit Crop soy	beans		
0			2nd-Year Manur	e Cred	dit			
0			Nitrogen Credit E	Based	on Early Spring Soi	I Nitrate Test		
0			Irrigation Water I	Vitrog	en Credit			
0	3	0	Net Nutrients N	eeded	d (Broadcast)			
Planning Yea	ar Manur	e Applica	tions					
0	0	0	Manure 1st-Year	Credit	t			
0	3	0	Supplemental N	utrien	t Needs			

Farm:	Raddle	T978		Fie	eld:	NE 17				Acr	es:	17	7
	nformatio	า				Soil Map Unit		1896B Ostra	ander-Car	mi			
N lbs/ad	P cre ppm		K			Soil Text	ıro	Loam					
105/a0		ı ↓ (B1)	ppm 110			Organic N		3.6 %		pH:	6.2		
	,-	* (D1)	113			Organici	viallei	3.0 /0		ρι ι.	0.2		
UM Crop	Nutrient	Recom	mend	ations (accounting	g for	soil informa	ation ar	nd last year's	crop)				
Planned (Crop	corn						-					
Realistic `	Yield	1	60 bu	/a				Source of N	itrogen Re	ecomi	mendati	<u>ons</u>	
					_			•	✓ Standar	ď			
Nutrie	ent Recom	mend	ation						Wester	n Soi	l Nitrate	Test	
N	P20	5 K	20										
1	20 3	4	48	Broadcast					Statew	ide S	oil Nitrat	te Test	
		0	40	Row or Drill									
				7.00 01 21111			Pre	vious Crop so	ybeans				
Nitrogen	Credits												
	0			2nd-Year Legume	e Cre	dit Cro	p cor	'n					
	0			2nd-Year Manure	Cred	dit							
	0			Nitrogen Credit B	ased	on Early Sp	ring Soi	il Nitrate Test					
	0			Irrigation Water N	litroge	en Credit							
12	20 34	1	48	Net Nutrients Ne	edec	l (Broadcas	t)						
Planning	Year Mar	ure A	pplicat	ions									
13			143	Manure 1st-Year C	Credit								
			Batch	1	Tir	ming	Met	hod	Rate	1	N F	205	K2C
			Buildin	g 1 - Spring	Sprin	g (Apr-Jun)	Bdcst-	Inc 12-96 hrs	5300	13	8	152	143
	0 ()	0	Supplemental Nu	trien	t Needs							
Planning	Year Fert	ilizer A	Applica	ations									
•	4 12		4	Commercial Fertili	zer								
			Sourc	е	Т	iming		Method	Rate	Ν	P	205	K20
		L	iquid 7	-21-7	Pla	anting		Row	5	4		12	4
14	-2 164	1 .	147	Total Nutrients Fi	rom I	Planned Ap	plicatio	ons					

Farm: R	addle T9	78	Į.	Field:	South 36		Acres:	36
Soil Info		IZ.			Soil Map Unit	2C Ostrander		
N lbs/acre	P ppm	K ppm			Soil Texture	Loam		
	23 (Organic Matter	3.5 %	pH: 6.4	
			lations (accounti	ng for	soil information ar	nd last year's cro	op)	
Planned Cro	p s	soybeans				Source of Nitro	gen Recommendati	nne
Realistic Yiel	d	50 bu	ı/a			Cource of Millo	gen recommendati	<u> </u>
Nustrians	Recommo	l - 4!		\neg		√s	standard	
Nutrient	Recommo	endation				,	Western Soil Nitrate	Test
N	P2O5	K20				,	Otataviida Oail Nitual	- T4
0	0	0	Broadcast			•	Statewide Soil Nitrat	e rest
0	0	0	Row or Drill					
					Pre	vious Crop corn		
Nitrogen Cro	edits							
0			2nd-Year Legur	ne Cre	dit Crop soy	/beans		
29			2nd-Year Manu	re Cre	dit			
0			=		on Early Spring Soi	il Nitrate Test		
0			Irrigation Water	Nitrog	en Credit			
0	0	0	Net Nutrients N	leeded	d (Broadcast)			
Planning Ye	ar Manur	e Applica	tions					
0	0	0	Manure 1st-Year	Credi	t			
0	0	0	Supplemental N	lutrien	t Needs			

Farm: F	Raddle T	978		Field:	West 38			Acres	: 3	38
Soil Info	ormation				Soil Map Unit	1896B Os	trander-Ca	rmi		
N	Р	K			Soil Texture	Loom				
lbs/acre		ppm				Loam er 3.7 %		pH: 6	2	
	19	(B1) 141			Organic Matte	3.7 70		рп. σ	.2	
UM Crop N	utrient R	ecommend	lations (accour	nting for	soil information	and last year	's crop)			
Planned Cro	ор	corn				0	Niitaa aa aa D			
Realistic Yie	eld	160 bı	ı/a			Source of	Nitrogen R	ecomme	endations	
							✓ Standa	ırd		
Nutrient	Recomn	nendation					Weste	rn Soil N	litrate Test	
N	P2O5	K20					VVCStC		illiate rest	
120	6	22	Broadcast				Statev	vide Soil	Nitrate Tes	t
120	-		Row or Drill							
120	12	12	Now of Dilli		F	Previous Crop	soybeans			
Nit 0										
Nitrogen C	realts									
0			2nd-Year Leg		•	corn				
0			2nd-Year Mai			O-11 N1144- T				
0					I on Early Spring	Soil Nitrate Tes	I			
0			Irrigation Wat							
120	6	22	Net Nutrients	s Neede	d (Broadcast)					
Planning Y	ear Manu	re Applica	tions							
0	0	0	Manure 1st-Ye	ear Credi	t					
120	6	22	Supplementa	l Nutrier	nt Needs					
Planning Y	aar Fartil	inau Annlia	ations							
119	ear Ferui 12	zer Applic 4	Commercial F	ertilizer						
113	12	Sour			Timing	Method	Rate	N	P2O5	K2C
		Urea			ŭ	Broadcast-Inc	250	115	0	0
		Liquid T	7-21-7	Plant		Row	5	4	12	4
119	12	4	Total Nutrien	ts From	Planned Applica	itions				

Date Jan 29, 2002

Farm:	Ricke T	1157	•	F	ield:	North 40				Acre	s:	36	
Soil Information						Soil Map Unit		41B Estherville					
N lbs/ad	-		K ppm			Soil Tex	ture	Sandy loam					
	- 1-1-	4 (B				Organic		2.7 %		рН:	6.1		
UM Crop	Nutrient	Rec	ommend	ations (accountir	ng for	soil inform	ation an	d last year's o	crop)				
Planned Crop corn													
Realistic `	Yield	160 bu	/a					<u>rogen Re</u> ∕Standar	Recommendations				
Nutrie	nt Recor	nme	ndation					•	Stariuai	u			
N P2O5 K2O			K20			We				estern Soil Nitrate Test			
"	F20)3	K2O						Statew	ide So	il Nitrate Te	est	
1	90	34	56	Broadcast									
1	90	30	40	Row or Drill		Previous Crop com							
Nitrogen	Credits												
_	0			2nd-Year Legum	ne Cre	edit Cr	on						
0 2nd-Year Manure							OP						
	0			Nitrogen Credit I			oring Soil	Nitrate Test					
0 Irrigation Water Ni						Ü							
19	0 3	34	56										
Planning	Year Ma	nure	Applicat	ions									
19			138	Manure 1st-Year	Credi	t							
			Batch	า	Ti	ming	Meth	nod	Rate	N	P205	K20	
			Buildin	g 2	Fall (C	Oct – Dec)	Knife Ir	nject	5300	197	165	138	
	0	0	0	Supplemental N	utrier	nt Needs							
Planning	Year Fei	rtilize	er Applica	ations									
•		2	4	Commercial Ferti	lizer								
			Sourc	е	Т	iming		Method	Rate	Ν	P2O5	K20	
			Liquid 7	'-21-7	Pl	anting		Row	5	4	12	4	
20	1 17	7	142	Total Nutrients I	From	Planned A	plicatio	ns					

Planning Year 2002

Date Jan 29, 2002

Farm: Ri	icke T115	57	Fi	ield:	South 40		Acres:	37		
Soil Information					Soil Map Unit	27B Dickinson				
N lbs/acre	P ppm	K ppm			Soil Texture	Sandy loam				
	17 (B1) 98			Organic Matter	2.5 %	pH: 6.3			
UM Crop Nu	trient Re	commend	lations (accounting	g for	soil information ar	nd last year's crop)	ı			
Planned Crop	o 9	soybeans				0 (1)				
Realistic Yiel	d	45 bı	ı/a		Source of Nitrogen Recommendations					
				_		✓ Star	ndard			
Nutrient I	Recomm	endation				\//e	estern Soil Nitrate	Toet		
N	P2O5	K20				vve	sterri Son Miliate	1631		
	3	18	Broadcast			Sta	tewide Soil Nitrat	e Test		
0 0	0	0	Row or Drill							
0 0 Kow of Dilli					Previous Crop corn					
Nitrogen Cre	edits									
0			2nd-Year Legum	e Cre	dit Crop					
0 2nd-Year Manure					•					
0			Nitrogen Credit B	ased	on Early Spring Soi	l Nitrate Test				
0			Irrigation Water N	litrog	en Credit					
0	3	18	Net Nutrients Ne	eedec	d (Broadcast)					
Planning Ye	ar Manur	e Applica	tions							
0	0	0	Manure 1st-Year	Credit	t					
0	3	18	Supplemental Nu	ıtrien	t Needs					